

Shg No. 9

Work Order ID 75588

75588

Page 1

October-26-11 10:00:09 AM

Item ID: D412-702-021

Accept

N900040100

Setup Start *NS1*

Revision ID: U/R

Stop *NS2*

Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 10/26/11 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/07/11 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
N/A	Rev N/A	OK of 11.10.26							
100		0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-702-021 CHG003								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

Sulul u

OK for MTS 11/10/27

SP 11-10-28

Sulul u

XL

Work Order ID 75588***75588***

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October-26-11 10:00:09 AM

Item ID: D412-702-021

Accept

N900040100Setup Start ***NS1***

Revision ID: U/R

Stop ***NS2***

Item Name: 13-Man Shoulder Harness, 4 point

Start Date: 10/26/11 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/07/11 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-702-021 Location: _____								
140		0.00							
140	QC21- Final Inspection - Work Order Release								
QC	Memo	0.00							
Quality Control									

MF
11-11-11

Picklist Print

October-26-11 10:00:08 AM

Page 1

Work Order ID: 75588

Parent Item: D412-702-021

Start Date: 10/26/11

Required Date: 11/07/11

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:B Removed Manufacturing 05-11-08 JLM
 IPP Rev:C06.04.03As per DS19324 JLM
 IPP rev D 06.12.14 per ecn 871 EC
 IPP Rev:E 07-03-14 As per DSI 9351 JLM
 IPP Rev:F 07-07-28 As per Rev E JLM Verified By:ec IPP Rev.G 11.05.31 DSI
 9559 EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
5 AN4-13A Bolt		Purchased	No			120	Each	1,103.0000	4	8P4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST357		1103							
				118078		589			4X				
				118706		14							
				118838		500							
6 AN4-20A Bolt		Purchased	No			120	Each	682.0000	8	8P8			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST359		682							
				116419		82			8X				
				117514		300							
				118983		100							
				119127		200							
5 AN4-5A Bolt		Purchased	No			120	Each	166.0000	4	8P4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST355		166							
				116549		6			4X				
				117508		160							
6 AN960JD416 Washer	NAS1149D0463J	Purchased	No			120	Each	0.0000	20	119042			
6 D3195-041 Bracket Assembly		Manufactured	No			120	Each	0.0000	2	8P11-10-28			

Picklist Print

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Work Order ID: 75588

Parent Item: D412-702-021

Start Date: 10/26/11

Required Date: 11/07/11

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Qty: 1.00

Required Qty: 1.00

D3195-043

Bracket Assembly

Manufactured No 120 Each 5.0000

2 SP 2

Location Loc Qty Loc Code

ST -1

74612 5

ST246A 6

Manufactured No 120 Each 0.0000

2x B 74779 SP

Manufactured No 120 Each 3.0000

1 SP 1

Location Loc Qty Loc Code

ST260 3

72922 3

Manufactured No 120 Each 4.0000

1 SP 1

Location Loc Qty Loc Code

ST260 4

71904 4

Manufactured No 120 Each 0.0000

2x B 74548 SP

Manufactured No 120 Each 10.0000

4 SP

Location Loc Qty Loc Code

ST246A 10

73275 10

Manufactured No 120 Each 10.0000

4x B 11-10-28

Location Loc Qty Loc Code

ST246A 10

74613 10

2x

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Work Order ID: 75588

Parent Item: D412-702-021

Start Date: 10/26/11

Required Date: 11/07/11

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Qty: 1.00

Required Qty: 1.00

D3546-1
Clip

Manufactured No

120 Each 26.0000

2 SP²

Location

Loc Qty

Loc Code

ST245

26

73444

26

D3551-11

Hook and Loop Tie

Manufactured No

120 Each 34.0000

2x 13 SP

Location

Loc Qty

Loc Code

ST245

34

75001

34

D412-702-069

Grommet

Manufactured No

120 Each 8.0000

1.3x 1 SP

Location

Loc Qty

Loc Code

FG122

8

74080

8

D4387-041

Harness Assembly

Manufactured No

120 Each 0.0000

1x 9 75271

D4387-043

Harness Assembly

Manufactured No

120 Each 0.0000

4 75269

MS21042L4

Nut

Purchased No

120 Each 13,632.000

12 SP 11-10-28

Location

Loc Qty

Loc Code

ST300

2632

117441

51

117601

532

118451

1049

118927

1000

ST516

6000

119017

6000

ST518

5000

119075

5000

12x

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Work Order ID: 75588

Parent Item: D412-702-021

Start Date: 10/26/11

Required Date: 11/07/11

Parent Item Name: 13-Man Shoulder Harness, 4 point

Start Qty: 1.00

Required Qty: 1.00

MS24694-S152

Screw

Purchased

No

120

Each

89.0000

Location

Loc Qty

Loc Code

ST290

89

116440

1

119108

88

Purchased

No

120

Each

78.0000

Location

Loc Qty

Loc Code

ST290

78

119022

78

MS24694-S154

SCREW

Purchased

No

120

Each

78.0000

Location

Loc Qty

Loc Code

ST290

78

119022

78

QTY -021	QTY -023	QTY -025	QTY -027	QTY -029	QTY -035	Part Number	Description
X						D412-702-021	Dart 13-Man Shoulder Harness Kit, 4-point
	X					D412-702-023	Dart 5-Man Forward Facing Shoulder Harness Kit, 4-point
		X				D412-702-025	Dart 4-Man Aft Facing Shoulder Harness Kit, 4-point
			X			D412-702-027	Dart 4-Man Side Facing Shoulder Harness Kit, 4-point
				X		D412-702-029	Dart 1-Man Forward Facing Shoulder Harness Kit, 4-point
					X	D214-702-035	Dart 5-Man Aft Facing Shoulder Harness Kit, 4-point, for Bell 214B/B-1
1	1		1	1		D412-702-069	GROMMET KIT
2	2					D3195-041	BRACKET
2	2					D3195-043	BRACKET
1	1			1		D3196-1	BAR
1			1			D3196-3	BAR
1			1			D3196-4	BAR
2	2					D3197-041	BAR
4		4				D3198-1	FITTING
2	2					D3268-1	PLACARD
9	5		4	1		D3446-041	HARNESS ASSEMBLY, 4 POINT
4		4				D3446-043	HARNESS ASSEMBLY, 4 POINT
					5	D3446-045	HARNESS ASSEMBLY, 4 POINT
13	5	4	4	1	5	D3551-11	HOOK AND LOOP TIE
2	2					D3546-1	CLIP
4		4				AN4-5A	BOLT
4	4					AN4-13A	BOLT
8		8				AN4-20A	BOLT
20		20				AN960JD416	WASHER (OR NAS1149D0463J)
12		12				MS21042L4	NUT (OR MS21042-4)
8	2		6	2		MS24694-S152	SCREW
8	2		6	2		MS24694-S154	SCREW

QTY -069	Part Number	Description
X	D412-702-069	GROMMET KIT
24	D3619-2	GROMMET
1	D3619-2T1	HOLE PUNCH
1	D3619-2T2	STRIKER BLOCK
1	D3619-2T3	PUNCH
1	D3619-2T4	DIE

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND IIN-D412-702-1 REV. A,
AND ICA-D412-702 REV. 4 OR EARLIER APPROVED REVISIONS
REF. TCCA STC: SH04-7
REF. FAA STC: SR01997NY
REF. EASA STC: EASA.IM.R.S.00710

PURPOSE

The purpose of this DSI is to outline the replacement of existing D3446-041/-043 Shoulder Harnesses with the new and improved D4387-041/-043 Shoulder Harnesses.

CHANGE

For the following Kits, the D4387-041 and D4387-043 Shoulder Harnesses respectively replace the D3446-041 and D3446-043 Shoulder Harnesses as follows:

Old Harness P/N	Used On	New Harness P/N	Effectivity
D3446-041	D412-702-021 /	D4387-041	CHG 003 and subsequent
	D412-702-023		CHG 002 and subsequent
	D412-702-027		
	D412-702-029		
D3446-043	D412-702-021	D4387-043	CHG 003 and subsequent
	D412-702-025		CHG 002 and subsequent






Customers who want to upgrade their shoulder harnesses may replace their existing D3446-041/-043 with D4387-041/-043 per this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.05.09
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	MB	11.05.09
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9559	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARNESS CHANGE	NTS
DATE	11.05.09	COPYRIGHT © 2011 BY DART AEROSPACE LTD	
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